



Practice Midterm Exam

Raven, Berg, Hassenzahl: Environment, 7th Edition Chapter 02: Environmental Laws, Economics, and Ethics

- 1. Provisions of the Endangered Species Act:
- a) require the timber industry to reforest in areas of logging
- b) grant the President authority to establish National Parks for endangered species
- c) provide a spending limit by the federal government in protecting endangered species
- d) require the government to protect the habitat of endangered species so that their numbers increase
- e) specify incentive-based regulation for endangered species

Ans: d

Difficulty: Easy

Response: Chapter opener; 2.0

- 2. In 2000, "Clean Energy Now!" was the theme for:
- a) Stegner's Wilderness Essay
- b) Earth Day
- c) The American Dust Bowl
- d) Sierra Club
- e) John Audubon's paintings

Ans: b

Difficulty: Easy

Response:

A Brief Environmental History of the United States; The Environmental Movement of the Late 20th Century; 2.1.4

3. Whose work heightened public awareness and concern about the use of pesticides and ultimately led to restriction on the use of certain pesticides?

- a) George Perkins Marsh
- b) Henry David Thoreau
- c) Paul Ehrlich
- d) John Muir
- e) Rachel Carson

Ans: e

Difficulty: Easy

Response:

A Brief Environmental History of the United States; Conservation in the Mid-20th Century; 2.1.3

4. Which U.S. president was most responsible for setting aside national forests in the late 1800s and early 1900s?

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- a) Grover Cleveland
- b) Benjamin Harrison
- c) Abraham Lincoln
- d) Herbert Hoover
- e) Theodore Roosevelt

Ans: e

Difficulty: Easy

Response:



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A Brief Environmental History of the United States; Protecting Forests; 2.1.1

- 5. Who was the first head of the U.S. Forest Service?
- a) Gifford Pinchot
- b) George Perkins Marsh
- c) John Muir
- d) Aldo Leopold
- e) Wallace Stegner

Ans: a

Difficulty: Easy

Response:

A Brief Environmental History of the United States; Protecting Forests; 2.1.1

6. Which naturalist was the founder of the Sierra Club and the force behind the establishment of Yosemite and Sequoia national parks?

- a) Aldo Leopold
- b) Henry David Thoreau
- c) John James Audubon
- d) John Muir
- e) Theodore Roosevelt

Ans: d

Difficulty: Easy

Response:

A Brief Environmental History of the United States; Establishing and Protecting National Parks and Monuments; 2.1.2

7. The world's first national park was established in what year?

- a) 1780
- b) 1865
- c) 1872
- d) 1890
- e) 1906

Ans: c

Difficulty: Easy

Response:

A Brief Environmental History of the United States; Establishing and Protecting National Parks and Monuments; 2.1.2

8. All of the following were authors whose writings influenced the environmental movement except:

- a) Rachel Carson
- b) John James Audubon
- c) Aldo Leopold
- d) Wallace Stegner
- e) George Perkins Marsh

Ans: b

Difficulty: Easy

Response:

A Brief Environmental History of the United States; Conservation in the Mid-20th Century; 2.1.3

9. The legislation that authorizes the President of the United States to set aside national monuments is the:



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- a) Antiquities Act
- b) National Parks and Forest Act
- c) National Monuments Act
- d) Wilderness Act
- e) Endangered Species Act

Ans: a

Difficulty: Easy

Response:

A Brief Environmental History of the United States; Establishing and Protecting National Parks and Monuments; 2.1.2

- 10. Earth Day:
- a) is celebrated exclusively in the U.S
- b) was initiated by the U.S. Senate in 1970
- c) has gained support for the environment within one or two major religions
- d) is largely a government-sponsored event
- e) focuses on what individuals can do to protect the environment

Ans: e

Difficulty: Easy

Response:

A Brief Environmental History of the United States; The Environmental Movement of the Late 20th Century; 2.1.4

- 11. An environmental impact statement must include:
- a) an ethical analysis of the proposed action
- b) short- and long-term effects and any adverse environmental effects
- c) solutions to any potentially adverse environmental effects
- d) documentation of the financial cost-benefit analysis of the proposed action
- e) a description of the solution to any associated environmental controversy

Ans: b

Difficulty: Easy

Response:

U.S. Environmental Legislation; Opener; 2.2

12. The National Environmental Policy Act:

a) mandates development of an Environmental Impact Statement at the end of any project using federal funds

b) provided for the establishment of the Court on Environmental Quality to enforce U.S.

environmental law

- c) requires the evaluation of federal highway construction and military projects
- d) requires documentation of the financial impact of all projects with potential environmental impact
- e) was signed into law in 1965

Ans: c

Difficulty: Easy

Response:

U.S. Environmental Legislation; Opener; 2.2

- 13. Environmental impact statements (EISs):
- a) must be made available to the public
- b) only address potential impact on endangered or threatened species
- c) only need to project impact out to two years following the completion of the project



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- d) only affect the 20% of lands owned by the federal government
- e) are not required for any state-funded projects

Ans: a

Difficulty: Easy

Response:

U.S. Environmental Legislation; Opener; 2.2

- 14. Which of the following is not included in an environmental impact statement (EIS)?
- a) nature of the proposal
- b) short- and long-term effects of the proposal
- c) why the proposal is needed
- d) alternatives to the proposed course of action
- e) guarantees that no species or habitat will be negatively impacted by the proposal

Ans: e

Difficulty: Easy

Response:

U.S. Environmental Legislation; Opener; 2.2

- 15. Which of the following is a positive outcome from environmental legislation since 1970?
- a) The California Gray Whale has been removed from the endangered species list
- b) 23 national parks have been established
- c) soil erosion has been reduced by nearly 60%
- d) the Bald Eagle has been removed from the endangered species list
- e) all of these

Ans: e

Difficulty: Easy

Response:

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U.S. Environmental Legislation; Environmental Policy Since 1970; 2.2.1
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16. The study of how people use their limited resources to try to satisfy their unlimited wants is termed

- a) business analyses
- b) model testing
- c) hypotheses development
- d) economics
- e) resource management

Ans: d

Difficulty: Easy

Response:

Economics and the Environment; Opener; 2.3

17. In the field of economics, the additional cost associated with one more unit of something is called

- a(n)
- a) marginal cost
- b) external cost
- c) direct cost
- d) fringe cost
- e) total product cost

Ans: a Difficulty: Medium



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Practice Midterm Exam Response: Economics and the Environment; 2.3

18. When consumption or production of a product has a harmful side effect that is borne by people not directly involved in the market exchange for that product, the side effect is called a(n):

- a) marginal cost
- b) indirect cost
- c) additional cost
- d) intrinsic cost
- e) external cost

Ans: e

Difficulty: Medium

Response:

Economics and the Environment; Opener; 2.3

19. Laws that impose rules and regulations and set limits of pollution are called:

- a) command and control
- b) environmental impact statements
- c) legislative documents
- d) legislative directives
- e) environmental directives

Ans: a

Difficulty: Easy

Response:

Economics and the Environment; Strategies for Pollution Control; 2.3.1

- 20. You are an environmental ethicist. As such you consider:
- a) what role humans play in determining the fate of Earth's resources
- b) how humans should relate to the natural environment
- c) the moral basis of environmental responsibility
- d) political, economic, societal, and individual tradeoffs
- e) all of these

Ans: e

Difficulty: Easy

Response:

Environmental Ethics, Values, and Worldviews; Opener; 2.5

- 21. The deep ecology worldview is an understanding of our place in the world based on:
- a) harmony with nature and a spiritual respect for life
- b) human superiority and dominance over nature
- c) right and wrong environmental behaviors of our government
- d) hidden beliefs about the hierarchy of all species
- e) green politics

Ans: a

Difficulty: Easy

Response:

Environmental Ethics, Values, and Worldviews; Human-Centered and Life-Centered Worldviews;

2.5.1

22. One approach to pollution control is incentive-based regulation. In this tactic:



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a) industries adopting specific pollution control methods recommended by the government are rewarded

b) industries are encouraged to emit an amount of pollution that is economically most desirable for that company

c) green taxes are levied on industries that represent an emission charge on polluters

d) pollution control laws establish emission targets and industries are provided enticements to reduce emissions

e) both green taxes are levied on industries that represent an emission charge on polluters, and pollution control laws establish emission targets and industries are provided enticements to reduce emissions

Ans: e

Difficulty: Easy

Response:

Economics and the Environment; Strategies for Pollution Control; 2.3.1

23. Environmental destruction in formerly communist countries was so extensive because of:

a) an attitude of high production and economic self-sufficiency, regardless of environmental damages

b) an attitude of meeting industrial production quotas taking precedence over environmental concerns

c) an attitude of support for heavy industry such as power plants, chemicals, metallurgy, and large machinery

d) an attitude of low regard for the economic value of clean air, water, and soil

e) all of these

Ans: e

Difficulty: Easy

Response:

Case-in-Point: Environmental Problems in Central and Eastern Europe; 2.3.4

24. A green campus is a(n) _____ campus.

- a) discard and go
- b) reuse and recycle
- c) environmentally unfriendly
- d) naïve and unsophisticated
- e) emerald and olive

Ans: b

Difficulty: Easy

Response:

Environews: How green is your campus?

25. National income accounts are incomplete estimates of national economic performance because national income accounts do not include:

a) gross domestic product

b) net domestic product

c) estimates of imported goods and services

d) estimates of external costs such as natural resource depletion and the environmental cost of economic activities

e) estimates of human manufactured material goods

Ans: d Difficulty: Medium

Response:



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Economics and the Environment; Natural Resources, the Environment, and the National Income Accounts; 2.3.3

- 26. Which of the following statements reflects the Western worldview?
- a) All organisms are interdependent.
- b) Nature should be preserved, not used.
- c) Humans have the right to modify the environment to benefit their wellbeing and high standard of

living.

- d) Humans and all other species have an equal worth.
- e) Humans have no right to reduce diversity of life forms except to satisfy vital needs.

Ans: c

Difficulty: Medium Response:

- - Environmental Ethics, Values, and Worldviews; Human-Centered and Life-Centered Worldviews;

2.5.1

27. According to the EPA's Draft Report on the Environment 2003, levels of wet sulfate, a major component of acid rain, have dropped by 20-30% since 1990. This success may be attributed to:

- National Environmental Policy Act (1970) a)
- b) Clean Air Act (1977)
- c) **Clean Water Act**
- d) Earth Day 1990 (Think globally, act locally)
- Clean Air Act Amendments of 1990 e)

Ans: e

Difficulty: Easy

Response:

U.S. Environmental Legislation; Environmental Policy Since 1970; 2.2.1

28. A preservationist is more likely to have a _____ worldview, and a conservationist

- probably has a worldview.
- biocentric, eccentric a)
- b) biocentric, utilitarian
- c) anthropocentric, biocentric
- d) universal, rare
- self-centered, unselfish e)

Ans: b

Difficulty: Medium

Response:

A Brief Environmental History of the United States; Protecting Forests; Establishing and Protecting National Parks and Monuments; 2.1.1 and 2.1.2

29. Issues that added to the complexity of the controversy over harvesting timber from old-growth forests in the Pacific Northwest included:

the fact that the timber industry had already begun to decline due to increasing automation of the a) industry

b) the fact that the timber industry had already begun to decline due to diversification in the local economy

the fact that unemployment in the region was at an all time high C)

d) the fact that the timber industry in the area had been operating sustainably for decades

the fact that the timber industry was not willing to cease activities in the local area and move to e) the southwest



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Practice Midterm Exam Ans: a Difficulty: Medium Response: Chapter Opener; 2.0

30. The political solution to the old-growth forest controversy in the Pacific Northwest included all of the following except:

- a) providing federal funds for retraining former loggers for new careers
- b) passing legislation permitting salvage logging
- c) passing legislation prohibiting all logging and timber cutting activities in federal old-growth forests
- d) the Northwest Forest Plan
- e) none of these, all were part of the solution

Ans: c

Difficulty: Medium

Response: Chapter Opener; 2.0

31. University of Oxford philosopher John Broome argues that society has not adequately considered the ethical consequences of global warming. These ethical considerations include all except the following:

- a) proper weighting of potentially catastrophic worst case outcomes
- b) appropriate distribution of benefits across the current population of the planet

c) focusing on the expected outcomes of global climate change based on the best available climate models

- d) the extent to which we should act now to limit impacts on future generations
- e) none of these, all of these were ethical considerations

Ans: c

Difficulty: Medium

Response:

Environmental Ethics, Values and Worldviews; Energy, Climate, and Environmental Ethics; 2.5

- 32. Which of the following people is incorrectly matched with their environmental voice?
- a) John Audubon: On Walden's Pond
- b) Rachel Carson: Silent Spring
- c) Paul Ehrlich: The Population Bomb
- d) Aldo Leopold: A Sand County Almanac
- e) Wallace Stegner: Wilderness Essay

Ans: a

Difficulty: Medium

Response:

A Brief Environmental History of the United States; Conservation in the Mid-20th Century; 2.1.3

33. Put the following historical views of the environment in the correct chronological sequence.

I. Frontier attitude: desire to conquer and exploit nature as quickly as possible

II. Biocentric preservationists: belief that all life deserves respect and consideration

III. Utilitarian conservationist: view of environment in terms of usefulness for people

IV. Earth Day celebrant: demonstrates support of environmental quality by planting trees, cleaning roadsides and rives and marching in parades

- a) I II III- IV
- b) V III II I
- c) I III II IV
- d) III IV I II
- e) IV II I III





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Ans: c Difficulty: Medium

Response:

A Brief Environmental History of the United States; Entire Section; 2.1

- 34. All of the following are successes in pollution control since 1970 except:
- a) improved water quality in rivers and streams
- b) DDT, asbestos, and dioxins have been banned from use in the U.S
- c) 75% reduction in sulfur dioxide and resulting acid rain
- d) 98% reduction in lead levels in the air
- e) 70% reduction in the use of CFCs and other chemicals that are contributing to the ozone hole

Ans: c

Difficulty: Medium

Response:

U.S. Environmental Legislation; Environmental Policy Since 1970; 2.2.1

35. The graph below represents the Marginal Cost of Pollution. Identify the correct curve for the marginal cost of pollution:

- a) Curve A
- b) Curve B
- c) Curve C
- d) Curve D
- e) Curve E

Ans: c

Difficulty: Medium

Response:

Economics and the Environment; Opener; 2.3

- 36. All of the following would contribute to natural capital, except:
- a) groundwater
- b) soil
- c) clean air
- d) mineral resources
- e) none of these, all are natural capital

Ans: e

Difficulty: Medium

Response:

Economics and the Environment; Natural Resources, the Environment, and the National Income Accounts; 2.3.3

- 37. The cost, in environmental quality, of a unit of pollution that is emitted into the environment is the:
- a) marginal cost of pollution
- b) marginal cost of pollution abatement
- c) optimum amount of pollution
- d) indirect cost of pollution
- e) indirect cost of pollution abatement

Ans: a Difficulty: Easy



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- Practice Midterm Exam Response: Economics and the Environment; Opener; 2.3
- 38. The associated graph represents the:
- a) marginal cost of pollution
- b) marginal cost of pollution abatement
- c) marginal cost of recycling
- d) marginal cost of waste-charge policy
- e) marginal cost

Ans: b

Difficulty: Medium

Response:

Economics and the Environment; Opener; 2.3

39. Based on the accompanying graph, which of the following statements are correct?

a) As more and more pollution is eliminated from the environment, the cost of removing each additional unit of pollution decreases.

b) As more and more pollution is eliminated from the environment, the cost of removing each additional unit of pollution stays the same.

c) As more and more pollution is eliminated from the environment, the cost of removing each additional unit of pollution increases.

d) As more and more pollution is eliminated from the environment, the cost of removing each additional unit of pollution reaches equilibrium when intersecting the amount of pollution axis.

e) Nothing can be inferred from the graph.

Ans: c

Difficulty: Medium

Response:

Economics and the Environment; Opener; 2.3

40. The amount of pollution that is economically most desirable is determined by plotting two curves. The point where the two curves meet is termed the ______ from an economic viewpoint.

- a) marginal cost of pollution
- b) marginal cost of pollution abatement
- c) direct cost of pollution
- d) indirect cost of pollution
- e) none of these

Ans: e

Difficulty: Medium

Response:

Economics and the Environment; Opener; 2.3

- 41. Pollution is considered an external cost because:
- a) it has a harmful effect borne only by people who purchased the product that caused it
- b) its cost to the environment is not reflected in the price of the product that produces it
- c) it has a significant impact on the consumer's decision to buy the product that causes it
- d) it is a hidden cost that would produce increased demand if the consumer were aware of it
- e) it is an advertised cost that may affect consumer demand for a given product

Ans: b Difficulty: Medium



Practice Midterm Exam

Response: Economics and the Environment; Opener; 2.3

- 42. The marginal cost of pollution abatement:
- a) is the added cost of reducing all types of pollution by one unit
- b) drops as the level of pollution falls
- c) increases as the level of pollution falls
- d) is low at low levels of pollution
- e) is high at high levels of pollution

Ans: c

Difficulty: Medium

Response:

Economics and the Environment; Opener; 2.3

43. Having a bottle of freon cost a consumer \$2,000 to pay for the damage it does to the ozone layer when it is eventually released into the environment is an example of adding in:

- a) emission charges
- b) environmental impact statements
- c) marginal costs
- d) external costs
- e) emission reduction credits

Ans: d

Difficulty: Medium

Response:

Economics and the Environment; Opener; 2.3

- 44. Economic strategies for pollution control include all of the following except:
- a) emission charges
- b) emission reduction credits
- c) waste-discharge permits
- d) complete shutdown of a business that is responsible for excess environmental damage
- e) none of these, all are valid economic strategies

Ans: d

Difficulty: Medium

Response:

Economics and the Environment; Strategies for Pollution Control; 2.3.1

45. Which of the following countries have restructured their taxes to take into account environmentally destructive products and activities:

- a) Germany
- b) Finland
- c) Sweden
- d) The Netherlands
- e) all of these

Ans: e

Difficulty: Easy

Response:

Economics and the Environment; Strategies for Pollution Control; 2.3.1

46. Western Xanadu's landfill is permitted to place a maximum of 350 tons per day into its landfill but must trade 50 extra tons to a nearby county. This is an example of a(n):



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- a) command and control policy
- b) emission charge policy
- c) emission reduction credit
- d) marketable waste-discharge permit
- e) environmental directive

Ans: d

Difficulty: Difficult

Response:

Economics and the Environment; Strategies for Pollution Control; 2.3.1

- 47. The Western world view most closely resembles the:
- a) deep ecology worldview
- b) utilitarian conservationist attitude
- c) biocentric preservationist attitude
- d) frontier attitude
- e) paralysis by analysis worldview

Ans: d

Difficulty: Easy

Response:

Environmental Ethics, Values, and Worldviews; Human-Centered and Life-Centered Worldviews;

2.5.1

48. The timber industry in the Pacific Northwest was not operating sustainably. Sustainable development, ideally, improves living conditions:

- a) for a few decades into the future
- b) for the entire current political administration
- c) as long as resources last
- d) for generations in the future
- e) for the present generation

Ans: d

Difficulty: Medium

Response:

Environmental Ethics, Values, and Worldviews; Opener; 2.5

49. One approach to pollution control is incentive-based regulation. In this tactic:

a) industries adopting specific pollution control methods recommended by the government are rewarded

b) industries are encouraged to emit an amount of pollution that is economically most desirable for that company

- c) green taxes are levied on industries that represent an emission charge on polluters
- d) governments issue a fixed number of marketable waste-discharge permits

e) both green taxes are levied on industries that represent an emission charge on polluters, and governments issue a fixed number of marketable waste-discharge permits

Ans: e

Difficulty: Easy

Response:

Economics and the Environment; Strategies for Pollution Control; 2.3.1

50. Which of the following statements reflects the Western worldview?

- a) All organisms are interdependent.
- b) Nature should be preserved, not used.



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- c) Humans are superior to and dominate nature.
- d) Humans and all other species have an equal worth.
- e) Humans have no right to reduce diversity of life forms except to satisfy vital needs.

Ans: c

- Difficulty: Easy
 - Response:
 - Environmental Ethics, Values, and Worldviews; Human-Centered and Life-Centered Worldviews;
- 2.5.1

51. Which of the following gave authority to the president to establish forest reserves on federally owned land?

- a) Northwest Forest Plan
- b) General Revision Act
- c) frontier attitude
- d) Antiquities Act
- e) The Fifth Amendment

Ans: b

Difficulty: Easy

Response:

A Brief Environmental History of the United States; Protecting Forests; 2.1.1

- 52. Which of the following are not examples of religions making an effort to improve the environment?
- a) Harvard's Center for the Study of World Religions conferences
- b) U.N. Millennium World Peace Summit of Religious and Spiritual Leaders
- c) Evangelical Climate Initiative
- d) International Seminar on Religion, Culture, and Environment sponsored partially by the Islamic Republic of Iran
- e) all of these are examples of religious efforts to improve the environment

Ans: e

Difficulty: Medium

Response:

Environews - Religion and the Environment

53. Which of the following terms describes the shortening of time and effort put into performing environmental impact statements?

- a) streamlining
- b) environmental justice
- c) cost cutting
- d) regulatory reform
- e) comparative risk analysis

Ans: a

Difficulty: Easy

Response:

U.S. Environmental Legislation; Opener; 2.2

54. Which of the following terms describes a range of projects designed to prioritize environmental regulation decisions by ranking risks and impacts to human health and ecosystems?

- a) streamlining
- b) environmental justice
- c) cost cutting
- d) regulatory reform



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e) comparative risk analysis

Ans: e

- Difficulty: Easy
 - Response:

U.S. Environmental Legislation; Environmental Policy Since 1970; 2.2.1

55. Oliver Houck states that compliance rates of environmental laws such as the Clean Water Act are at about:

- a) 35%
- b) 50%
- c) 70%
- d) 80%
- e) 25%

Ans: b

Difficulty: Medium

Response:

U.S. Environmental Legislation; Environmental Policy Since 1970; 2.2.1

56. Which of the following describes the cost of society of having less pollution being offset by the benefits to society of the activity creating the pollution?

- a) marginal cost of pollution
- b) optimal amount of pollution
- c) marginal cost of abatement
- d) regulatory reform
- e) none of these

Ans: b

Difficulty: Easy

Response:

Economics and the Environment; Opener; 2.3

- 57. Which of the following is not a successful pollution-control outcome according to the EPA?
- a) levels of wet sulfate dropping by 20%
- b) over 800 of the 1500 Superfund sites have been cleaned up
- c) release of toxic chemicals has decreased by 48% since 1988
- d) emissions of six air pollutants have decreased by 25%
- e) 50% of rivers and streams are in violation of water quality standards

Ans: e

Difficulty: Easy

Response:

U.S. Environmental Legislation; Environmental Policy Since 1970; 2.2.1

- 58. Which of the following is a critique of economic approaches to environmental regulation?
- a) it's difficult to assess the costs of environmental damage
- b) utilitarian economics are not universally accepted
- c) many economic records of environmental problems are false

d) both it's difficult to assess the costs of environmental damage, and utilitarian economics are not universally accepted

e) none of these

Ans: d Difficulty: Medium



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Response:

Economics and the Environment; Critiques of Environmental Economics; 2.3.2

59. Which of the following statements about the effects of pollution in Central and Eastern Europe is not true?

- a) Many Polish children have suffered from respiratory and heart problems by the age of 10.
- b) Many inhabitants suffer from respiratory diseases from the polluted air.
- c) Levels of cancer, miscarriages, and birth defects are extremely high.
- d) The average life expectancy for Eastern Europeans is 11 years lower than Western Europeans.
- e) All of these are true.

Ans: e

Difficulty: Medium

Response:

Case-in-Point: Environmental Problems in Central and Eastern Europe; 2.3.4

- 60. Which of the following not a principle of deep ecology, according to Arne Naess?
- a) all life has intrinsic value
- b) the environment must be exploited to improve living standards
- c) flourishing human and nonhuman life depends on diversity of life forms
- d) human interference with nature is excessive
- e) flourishing of human and nonhuman life depends on a decrease in the human population

Ans: b

Difficulty: Easy

Response:

Environmental Ethics, Values, and Worldviews; Human-Centered and Life-Centered Worldviews;

2.5.1